

=> d his

(FILE 'HOME' ENTERED AT 19:20:15 ON 09 FEB 2003)

FILE 'CAPLUS, BIOSIS, AGRICOLA, POLLUAB, CAOLD, CASREACT, CROPU, DGENE,
DPCI, ENCOMPPAT, ENCOMPPAT2, EUROPATFULL, IFIPAT, INPADOC, JAPIO,
PAPERCHEM2, PATDD, PATDPA, PATOSDE, PATOSEP, PATOSWO, PCTFULL, PIRA,
RAPRA, SYNTHLINE, TULSA, TULSA2, USPATFULL, ...' ENTERED AT 19:22:02 ON
09 FEB 2003

L1	64 S THLASPI (W) CAERULESCENS AND (CADMIUM OR CD OR ZN OR ZINC) AN
L2	122 S THLASPI (W) CAERULESCENS AND (PHYTOREMEDIAT? OR PHYTOMIN? OR
L3	42 S L1 AND L2
L4	9 S L3 AND ORE
L5	7 DUP REM L4 (2 DUPLICATES REMOVED)
L6	10 S L3 NOT PY>1998

=>

FILE 'WPIDS' ENTERED AT 19:22:02 ON 09 FEB 2003
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FILE 'WPINDEX' ACCESS NOT AUTHORIZED

=> s Thlaspi (w) caerulescens and (cadmium or Cd or Zn or zinc) and (recover? or extract?)

13 FILES SEARCHED...

17 FILES SEARCHED...

26 FILES SEARCHED...

L1 64 THLASPI (W) CAERULESCENS AND (CADMIUM OR CD OR ZN OR ZINC) AND
(RECOVER? OR EXTRACT?)

=> s Thlaspi (w) caerulescens and (phytoremediat? or phytomin? or phytoextract?)

L2 122 THLASPI (W) CAERULESCENS AND (PHYTOREMEDIAT? OR PHYTOMIN? OR
PHYTOEXTRACT?)

=> s l1 and l2

L3 42 L1 AND L2

=> s l3 and ore

L4 9 L3 AND ORE

=> dup rem l9

L9 IS NOT VALID HERE

The L-number entered has not been defined in this session, or it
has been deleted. To see the L-numbers currently defined in this
session, enter DISPLAY HISTORY at an arrow prompt (=>).

=> dup rem l4

DUPLICATE IS NOT AVAILABLE IN 'CAOLD, DGENE, DPCI, SYNTHLINE'.

ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE

PROCESSING COMPLETED FOR L4

L5 7 DUP REM L4 (2 DUPLICATES REMOVED)

=> d l5 1-7

L5 ANSWER 1 OF 7 USPATFULL

AN 2002:309316 USPATFULL

TI **RECOVERING** METALS FROM SOIL

IN CHANEY, RUFUS L., BELTSVILLE, MD, UNITED STATES
ANGLE, J. SCOTT, ELLICOTT CITY, MD, UNITED STATES
LI, YIN-MING, POTOMAC, MD, UNITED STATES
BAKER, ALAN J.M., S. YORKSHIRE, UNITED KINGDOM

PI US 2002174451 A1 20021121

AI US 1999-437607 A1 19991110 (9)

RLI Continuation-in-part of Ser. No. US 1999-386373, filed on 31 Aug 1999,
ABANDONED Continuation-in-part of Ser. No. US 1997-879813, filed on 20
Jun 1997, GRANTED, Pat. No. US 5944872 Continuation of Ser. No. US
1995-470440, filed on 6 Jun 1995, GRANTED, Pat. No. US 5711784

DT Utility

FS APPLICATION

LN.CNT 1065

INCL INCLM: 800/278.000

NCL NCLM: 800/278.000

IC [7]

ICM: C12N015-87

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 2 OF 7 USPATFULL

AN 2001:141655 USPATFULL

TI Methods for removing pollutants from contaminated soil materials with a fern plant
 IN Ma, Lena Q., Gainesville, FL, United States
 Komar, Ken M., Gainesville, FL, United States
 Kennelley, Elizabeth D., Archer, FL, United States
 PA University of Florida, Gainesville, FL, United States (U.S. corporation)
 PI US 6280500 B1 20010828
 AI US 1999-471566 19991223 (9)
 PRAI US 1999-129203P 19990414 (60)
 DT Utility
 FS GRANTED
 LN.CNT 714
 INCL INCLM: 075/711.000
 INCLS: 075/710.000; 075/712.000; 210/602.000; 047/058.100; 800/295.000
 NCL INCLM: 075/711.000
 NCLS: 047/058.100R; 075/710.000; 075/712.000; 210/602.000; 800/295.000
 IC [7]
 ICM: C22B003-18
 ICS: C22B003-24
 EXF 800/260; 800/278; 800/295; 800/276; 075/711; 075/712; 210/602; 210/681;
 210/682
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 1
 AN 2000:368650 CAPLUS
 DN 133:20413

TI **Thlaspi caerulescens** subspecies of hyperaccumulating
 plant for **recovery** of **cadmium** and **zinc** from
 soils

IN Li, Yin-ming; Chaney, Rufus L.; Reeves, Roger D.; Angle, J. Scott; Baker,
 Alan J. M.

PA USA

SO PCT Int. Appl., 24 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000031308	A1	20000602	WO 1999-US27731	19991123
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP	1200633	A1	20020502	EP 1999-960564	19991123
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
JP	2002530533	T2	20020917	JP 2000-584115	19991123
PRAI	US 1998-109427P	P	19981123		
	WO 1999-US27731	W	19991123		

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 7 PCTFULL COPYRIGHT 2003 Univentio
 AN 2000028093 PCTFULL ED 20020515
 TIEN **RECOVERING** METALS FROM SOIL
 TIFR RECUPERATION DE METAUX PRESENTS DANS DES SOLS

IN CHANEY, Rufus, L.; ANGLE, Jay, Scott; LI, Yin-Ming; BAKER, Alan, J., M.
 PA CHANEY, Rufus, L.; ANGLE, Jay, Scott; LI, Yin-Ming; BAKER, Alan, J., M.
 LA English
 DT Patent
 PI WO 2000028093 A1 20000518
 DS AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB
 GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA
 MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA
 UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU
 TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG
 CI CM GA GN GW ML MR NE SN TD TG
 AI WO 1999-US26443 A 19991110
 PRAI US 1998-60/107,797 19981110
 US 1998-60/109,443 19981123
 US 1999-09/386,373 19990831
 ICM C21B009-00
 ICS C22B009-00; A01H003-02; A01H005-00; A01G001-00

L5 ANSWER 5 OF 7 USPATFULL
 AN 1999:102262 USPATFULL
 TI Method for **phytomining** of nickel, cobalt and other metals from
 soil
 IN Chaney, Rufus L., Beltsville, MD, United States
 Angle, Jay Scott, Ellicott City, MD, United States
 Baker, Alan J.M., Sheffield, United Kingdom
 Li, Yin-Ming, Potomac, MD, United States
 PA University of Maryland at College Park, College Park, MD, United States
 (U.S. corporation)
 The United States of America as represented by the Secretary of
 Agriculture, Washington, DC, United States (U.S. government)
 The University of Sheffield, Sheffield, United Kingdom (non-U.S.
 corporation)
 PI US 5944872 19990831
 AI US 1997-879813 19970620 (8)
 RLI Continuation of Ser. No. US 1995-470440, filed on 6 Jun 1995, now
 patented, Pat. No. US 5711784
 DT Utility
 FS Granted
 LN.CNT 388
 INCL INCLM: 075/712.000
 INCLS: 047/058.000; 210/602.000
 NCL NCLM: 075/712.000
 NCLS: 047/058.100R; 210/602.000
 IC [6]
 ICM: C22B003-18
 EXF 075/712; 047/58; 210/602
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 6 OF 7 PCTFULL COPYRIGHT 2003 Univentio
 AN 1998008991 PCTFULL ED 20020514
 TIEN METHOD FOR **PHYTOMINING** OF NICKEL, COBALT AND OTHER METALS FROM
 SOIL
 TIFR PROCEDE DE **PHYTOEXTRACTION** DE NICKEL, COBALT ET AUTRES METAUX
 PRESENTS DANS LE SOL
 IN CHANEY, Rufus, L.; ANGLE, Jay, Scott; LI, Yin-Ming
 PA CHANEY, Rufus, L.; ANGLE, Jay, Scott; LI, Yin-Ming
 LA English
 DT Patent
 PI WO 9808991 A1 19980305
 DS AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU
 IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL
 PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH KE LS MW

SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE
IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

AI WO 1997-US15109 A 19970829
PRAI US 1996-60/024,928 19960830
US 1996-60/030,462 19961106
ICM C22B023-00

L5 ANSWER 7 OF 7 USPATFULL
AN 1998:9024 USPATFULL
TI Method for **phytomining** of nickel, cobalt and other metals from
soil
IN Chaney, Rufus L., Beltsville, MD, United States
Angle, Jay Scott, Elliot City, MD, United States
Baker, Alan J. M., Sheffield, United Kingdom
Li, Yin-Ming, Potomac, MD, United States
PA University of Maryland at College Park, College Park, MD, United States
(U.S. corporation)
PI US 5711784 19980127
AI US 1995-470440 19950606 (8)
DT Utility
FS Granted
LN.CNT 304
INCL INCLM: 075/712.000
INCLS: 047/058.000; 210/602.000
NCL NCLM: 075/712.000
NCLS: 047/058.100R; 210/602.000
IC [6]
ICM: C22B003-18
EXF 075/430; 075/710; 075/712; 210/602; 047/58
CAS INDEXING IS AVAILABLE FOR THIS PATENT.